

# Recombinant human PTP4A2/PRL2 protein ab157062

### Description

<b>Product name</b>	Recombinant human PTP4A2/PRL2 protein
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<b><u>Q12974</u></b>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	NRPAPVEISYENMRFLITHNPTNATLNKFTEELKKYGVTTLV RVCDATYD KAPVEKEGIHVLDWPFDDGAPPPNQVDDWLNLLKTKFR EEPGCCVAVHC VAGLGRAPVLVALALIECGMKYEDAVQFIRQKRRGAFNSK QLLYLEKYRP KMRLRFRDTNGHCCVQ
<b>Predicted molecular weight</b>	19 kDa including tags
<b>Amino acids</b>	2 to 167
<b>Tags</b>	His tag N-Terminus

### Specifications

Our **Abpromise guarantee** covers the use of **ab157062** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies  SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	0.334U/µg. One unit will hydrolyze 1pmol para-nitrophenyl phosphate (PNPP) per minute at 37°C. Assay buffer: 50mM TRIS, pH 7.4, containing 150mM sodium chloride, 5mM dithiothreitol and 12.5mM PNPP. This product was previously labelled as PTP4A2

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

Constituents: 0.05% (R\*,R\*)-1,4-Dimercaptobutan-2,3-diol, 0.39% Tris HCl, 0.05% Tween, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

## General Info

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### Relevance

Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Promotes tumors. Inhibits geranylgeranyl transferase type II activity by blocking the association between RABGGTA and RABGGTB. Ubiquitously expressed, with highest levels in skeletal muscle, heart and thymus. Overexpressed in prostate tumor tissue.

### Cellular localization

Cell Membrane, Early Endosome and Cytoplasm.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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